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|-------------------------------|------------------------|---------------------|--|
| Notice of Allowability | Application No. | Applicant(s) | |
| | 09/447,312 | BLANCHARD ET AL. | |
| | Examiner | Art Unit | |
| | Taghi T. Arani | 2131 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 12/19/2005.
2. ☒ The allowed claim(s) is/are 1-17 and 19-27.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 2/12/02, 6/12/2000
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.



AYAZ SHEIKH
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

DETAILED ACTION

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mark M. Takahashi on 2/16/2006.

Replace claim 1 with:

1. (Currently Amended) A method of adding packet ordering information to a plurality of data packets comprising:

- applying error detection codes to each of the plurality of data packets; and
- masking each of the plurality of data packets to which the error detection codes have been applied with a respective one of a plurality of packet ordering masks, the plurality of packet ordering masks having a known order indicating an order of transmission for the data packets, the masking being performed on a packet-by-packet basis in the known order.

Replace claim 7 with:

7. (Currently Amended) A method of determining a packet order of a received packet comprising:

- applying at least one packet ordering mask to the received packet in a known order, which indicates an order of packet transmission, from a list of packet ordering masks to find a

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current packet ordering mask that was spaciouly used to mask the received packet, the list of packet ordering masks having the known order; and

when at least one older packet ordering mask exists in the list of packet ordering masks, the at least one older packet ordering mask occurring earlier in the known order than the current packet ordering mask, removing the at least one older packet ordering mask from the list of packet ordering masks.

Examiner's Statement of Reasons for Allowance

Claims 1-17, 19-27 allowed over prior art.

The following is an examiner's statement of reasons for the indication of allowable claimed subject matter.

None of the prior art of record, either taken by itself or in any combination would have anticipated or made obvious the invention of the present application at or before the time it was filed. The subject matter regarded as allowable by the examiner is found in claims 1, 11, 16, and 23, wherein a packet ordering masks having known order representing an order of transmission of plurality of packets are applied to packets, packet-by-packet in a known order. The closest prior art of record to Dent et al. teaches an ordering masks applied at signal level utilized in CDMA system, but not at a packet level, packet-by-packet, in a packet switched network.

Depended claims 2-10, 12-15, 17, 19-22, and 24-27 are allowed over prior art by virtue of their dependencies.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

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fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Prior arts made of record, not relied upon:

US 4,977,598 to Maestas et al.

US 5,761,424 to Adams et al.


US 5,341,423 to Nossen, Edward J.


US 6,473,424 to DeJager et al.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Taghi T. Arani whose telephone number is (571) 272-3787. The examiner can normally be reached on 8:00-5:30 Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz Sheikh can be reached on (571) 272-3795. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Taghi T. Arani, Ph.D.
Examiner
Art Unit 2131
2/16/06


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